

What is claimed is:

1. A railway car drive system comprising:

a first railway car mounting a power generation means, a power converter and a driving motor; and

a second railway car mounting a power converter and a driving motor using said power generation means as power source;

wherein a power storage means is mounted on either said first or said second railway car, or both said first and second railway cars.

2. The railway car drive system according to claim 1, wherein said power storage means stores both the power generated by said power generation means and a regenerative power obtained during braking of said train, or stores either the power generated by said power generation means or the regenerative power, and drives said driving motor via said power converter using as power source either both said power generation means and said power storage means or only said power storage means, to drive a train.

3. The railway car drive system according to claim 2, further comprising a third railway car mounting a power storage means, to thereby increase the capacity of the power storage means of said railway car drive system.

4. The railway car drive system according to claim 1, further comprising a power management means for controlling the

power generated by said power generation means and the storage quantity of said power storage means so as to minimize the power capacity of said power generation means.

5. The railway car drive system according to claim 4, wherein said power management means is disposed in every car so as to control each said power generation means and said power storage means independently.

6. The railway car drive system according to claim 1, wherein said power storage means is a chargeable-dischargeable battery.

7. The railway car drive system according to claim 1, wherein said power storage means is a capacitor or a flywheel.